

Work Order ID 72251

Wednesday, July 20, 2011 9:56:23 AM



Page 1

| | | | | |
|-------------------------|-----------------|--|---------------|--|
| Item ID: D4055-9 | Accept | | Setup Start | |
| Revision ID: | | | Stop | |
| Item Name: Tank Back | | | | |
| Start Date: 7/20/2011 | Start Qty: 4.00 | | Cust Item ID: | |
| Required Date: 8/3/2011 | Req'd Qty: 4.00 | | Customer: | |
| Reference: | | | | |

| | | | | | | |
|------------|-------------------------|-----------------------|------------|-------|-----------|--|
| Approvals: | Process Plan: <u>MF</u> | Date: <u>11-07-20</u> | Tooling: | Date: | Run Start | |
| | QC: | Date: | SPC (Y/N): | Date: | Stop | |

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

| Draw Nbr | Revision Nbr |
|----------|--------------|
| D4055 | B |

| | | | | | | | | | |
|-----------------|--|------|--|--|--|--|--|--|--|
| 100 | | 0.00 | | | | | | | |
| | | | | | | | | | |
| Purchasing | Memo | 0.00 | | | | | | | |
| Purchasing | Issue P/O: <u>14532</u> | | | | | | | | |
| | Purchase part as per Dwg D4055 | | | | | | | | |
| | Possible Supplier: GFI | | | | | | | | |
| | Material release note required | | | | | | | | |
| 110 | Receive & Inspect for Damage & Mat'l Certs | 0.00 | | | | | | | |
| | | | | | | | | | |
| Packaging | Memo | 0.00 | | | | | | | |
| Packaging | | | | | | | | | |
| 120 | QC6- Inspect dimensions to drawing | 0.00 | | | | | | | |
| | | | | | | | | | |
| QC | Memo | 0.00 | | | | | | | |
| Quality Control | | | | | | | | | |

CL 11/07/20 (4)

CL 11/08/17 (4)

(4)

Sulob/1e

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Work Order ID 72251

Wednesday, July 20, 2011 9:56:23 AM



Page 2

Item ID: D4055-9

Accept



Setup Start



Revision ID:

Stop



Item Name: Tank Back

Start Date: 7/20/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 8/3/2011 Req'd Qty: 4.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

Chemical Conversion Coat per QSI005 4.1

0.00



HandFinish

Memo

0.00

Hand Finishing

4X Ø M-11/08/22

140

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

4 Ø 11/08/22

150

Identify as per dwg & Stock Location: 114

0.00



Packaging

Memo

0.00

Packaging

4 Ø 11.09.08

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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NOTE: Date & initial all entries

Work Order ID 72251

Wednesday, July 20, 2011 9:56:23 AM



Page 3

Item ID: D4055-9

Accept



Setup Start



Revision ID:

Stop



Item Name: Tank Back

Start Date: 7/20/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 8/3/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/9/12
MF
11-09-08

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

Picklist Print

Wednesday, July 20, 2011 9:56:20 AM

Page 1

Work Order ID: 72251



Parent Item: D4055-9



Parent Item Name: Tank Back


Start Date: 7/20/2011

Required Date: 8/3/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP RevA: new issue DD 10.01.08 verified by:JLM

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|-----------------|--------|
| D4055-9P  Tank Back | | Purchased | | | | 110 | Each | 0.0000 | 1 | 4 | | 07/10/11 17 (4) | |

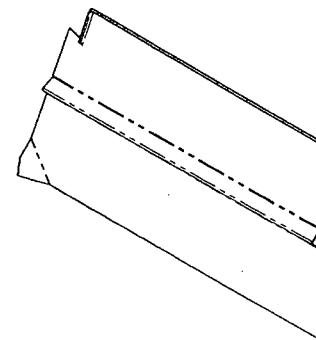
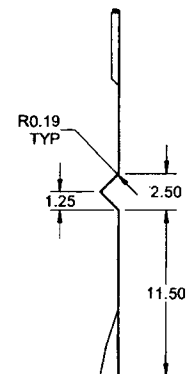
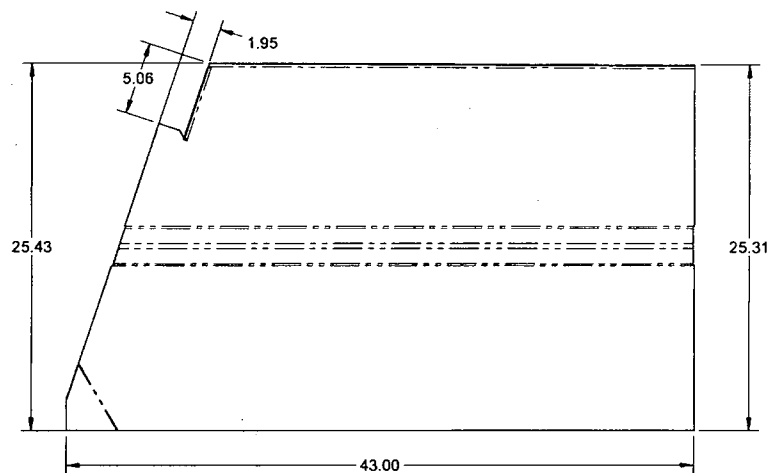
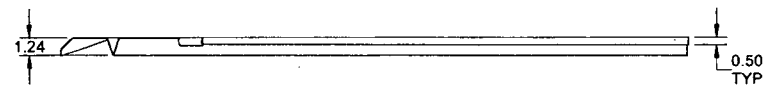
| W/O: | | WORK ORDER CHANGES | | | | | |
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| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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NOTE: Date & initial all entries



D4055-9 TANK BACK

RELEASED
2011-05-30

NOTES:

- 1) MATERIAL: MADE FROM D4055-9F
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 6.41 lbs



| | | | |
|--|----------|--|----------------|
| DESIGN | | DART AEROSPACE LTD | |
| DRAWN | | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | | DRAWING NO. | REV. B |
| MFG. APPR. | | D4055 | SHEET 12 OF 15 |
| APPROVED | | TITLE | SCALE |
| DE APPR. | | TANK | NTS |
| DATE | 11.05.12 | COPYRIGHT © 2010 BY DART AEROSPACE LTD | |
| THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | | | |

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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NOTE: Date & initial all entries

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NOTE: Date & initial all entries



180 AVENUE LABROSSE
POINTE-CLAIRE, QC, CANADA H9R 1A1
TÉL.:(514) 630-4877 - FAX:(514) 630-4849

GFI est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.



BON DE LIVRAISON / SHIPPING MEMO

| DATE DE LIVRAISON / SHIPPING DATE | | | | N° DE BON DE LIVRAISON SHIPPING MEMO NO. | PAGE |
|-----------------------------------|---------|---------|--|---|------|
| JR - DY | MO - MO | AN - YR | | | |
| 12 | 08 | 11 | | 0467699 | 1/1 |



VENDU À / SOLD TO

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

| CODE DE CLIENT CUSTOMER CODE | N° DE CONTRAT JOB NO. | VOTRE N° DE COMMANDE YOUR PURCHASE ORDER NO. | EXPÉDIÉ PAR SHIP VIA |
|---------------------------------|--|---|-------------------------|
| DART | GFI-0299 | PO14532 | |
| QUANTITÉ QUANTITY | N° DE PIÈCE PART NO. | DESCRIPTION | |
| 4 | D4055-9P ✓ CDL1108117 MFG. JOB# 50234764-001 QTY 4 pcs | TANK BACK ITEM 2 C OF C REQ'D | |

EXPÉDITEUR
SHIPPER

N° DE BON DE LIVRAISON
SHIPPING MEMO NO.

REÇU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION.
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.



CERTIFICATE OF COMPLIANCE CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas & Betts**

180 LABROSSE AVENUE
POINTE CLAIRE, QC
H9R 1A1

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

| | | | | | |
|--|---|----------------------------|-----------------|------------------------------|------------------|
| CERTIFICATE NO. <u>5</u> | | OUR JOB NO <u>J0234764</u> | | SHIPPING MEMO <u>0467699</u> | |
| ITEM | QUANTITY | PURCHASE ORDER | PART NUMBER | REV | NAME |
| <u>---</u> | <u>4 PCS</u> | <u>PO14532</u> | <u>D4055-9P</u> | <u>B</u> | <u>TANK BACK</u> |
| MATERIAL | | SUPPLIED BY | | MAT. REL. NO. | |
| <u>.063 THK AL 6061-T6 (AMS-QQ-A-250/11)</u> | | <u>SAMUEL / ALCOA INC</u> | | <u>613714</u> | |
| PROCESS <u>Sublot 18</u> | | | PROCESSOR | RELEASE NOTE # | |
| 1 | <u>FIRST ARTICLE INSPECTION REPORT ON FILE</u> | | <u>GFI</u> | <u>N/A</u> | |
| 2 | <u>REF. GFI MANUFACTURING JOB NUMBER J0234764-001 (4 PCS)</u> | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
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| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 12 AUGUST 2011

G.F.I. Q.C. REP. [Signature]



**LES MÉTAUX
SPÉCIALISÉS
SAMUEL**

Programme d'Assurance Qualité Enregistré / Registered Q.A. Program
ISO 9001:2008 + AS9100B

LETTRE DE CONFORMITÉ - LETTER OF COMPLIANCE

Date: August 12, 2011

Company Name: GFI Division of Thomas & Betts limited
Address: 180 avenue Labrosse
City: Pointe-Claire Qc
Zip Code: H9R 1A1

du client: 78920

de commande SSMQ: 552438
SSMQ's Order #:

La présente est pour certifier que le matériel détaillé ci-dessous est conforme aux exigences de votre commande et des normes du grade tel que décrit:

The following is to certify that the material listed below meets your order requirements and grade standards as described:

| Notre/Our Item # | # de pièces/ # of pieces | Épaisseur/Grandeur Guage/Size | Alliage/Trempe Alloy/Temper | Spécification / Specification | Lot/Heat |
|---------------------|-----------------------------------|----------------------------------|--------------------------------|----------------------------------|----------|
| 01 | 3 | .0630" X 48" X 144" | 6061 T6 | AMS-QQ-A-250/11 | 613714 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Bien à vous,
Yours truly,



CERTIFIED INSPECTION REPORT

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Malcolm Murphy
Director of Manufacturing Davenport Works

Terrence Thom
Quality Assurance Manager

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722
Ship From: RIVERDALE, IA.

1263222 0
Ship Date B.L. No. Invoice No. Alcoa No. Item
2011-07-01 6040526 00000 1000291425-1 DCE-91425-1
P.O. No./Govt Contract No. Customer Alcoa Item
C63748 Ln#: 1 SAMUEL SON & CO LT G041094947R05

Page 1 of 2

Ship To: SAMUEL SON & CO LTD
S.S.M.Q
21525 CLARKE-GRAHAM
BAIE D'URFE H9X 3T5 QC

Item Description
0.063 IN TK (+0.0000 -.0035) X 48.0 IN W (+.125 - .125) X 144.0 IN LN (+.15625 -.15625) (N) A/T 6061-T6 FLAT SHEET FOR DISTRIBUTORS TOLERANCE
GUARANTEED. AMS4027 REV N EXC_MRK
ASTMB209 REV 07 COMP025 REV S ((MARKED))
KRAFT PAPER INTERLEAVED
MAX GROSS SKID WGT: 4500 LB QUAN TOL +/- 30 %
CQR 0210640 REV 05 CUST REQ 11-06-11 *** W/E 11-06-18 ***

Subsides

| Num | Package Ticket | Lot | Weight | Quantity | UOM | Inspector Clock Numbers |
|-----|----------------|--------|--------|----------|-----|-------------------------|
| 1 | 315871 | 613714 | 2326 | 57 | PC | 27107 27707 47004 |

Notes for CQR: 0210640.5

PRODUCT PRODUCED TO THE REQUIREMENTS OF AMS4027 REV N ALSO MEET THE REQUIREMENTS OF AMS-QQ-A-250_11 ORIGINAL REVISIO N DATED 1997-08-01.

CQR: 0210640.5 -Specification Limits

| Impr | Dir | UTS | TYS | EL4D |
|------|--------------|-----|------|---------|
| | | KSI | KSI | PCT |
| T6 | Long Transv. | Max | | |
| | | Min | 42.0 | 35.0 10 |

Chemical Composition

| Alloy | 6061 | SI | FE | CU | MN | MG | CR | ZN | TI | Other | Other |
|-------------|------|-----|------|-----|------|------|-----|------|------|-------|-------|
| | | Max | 0.8 | 0.7 | 0.40 | 0.15 | 1.2 | 0.35 | 0.25 | 0.05 | 0.15 |
| Lot: 613714 | | Min | 0.40 | | 0.15 | | 0.8 | 0.04 | | | |

- Mechanical, Physical, Metallography, Quantometer Results

| Impr | Dir | No-> | UTS | TYS | EL4D |
|------|--------------|------|------|------|------|
| | | Test | KSI | KSI | PCT |
| T6 | Long Transv. | 2 | 50.2 | 44.6 | 10.5 |
| | | | 51.1 | 45.6 | 10.3 |

REMAIN

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Malcolm Murphy
Director of Manufacturing Davenport Works

Terence Thom
Quality Assurance Manager

1263222
Ship Date

0
B.L. No.

Invoice No.

Ship From:

RIVERDALE, IA.

2011-07-01

6040526

00000

Alcoa No. Item

1000291425-1

DCE-91425-1

P.O. No./Govt Contract No.

Customer

Alcoa Item

C63748 Ln#: 1

SAMUEL SON & CO LT G041094947R05

Page 2 of 2

Lot: 613714

Cast Number

H9334105

- Mechanical, Physical, Metallography, Quantometer Results (cont.)

Chemical - OES

Actuals

| SI | FE | CU | MN | MG | CR | ZN | TI |
|------|-----|------|------|-----|------|------|------|
| 0.65 | 0.4 | 0.25 | 0.07 | 1.0 | 0.16 | 0.06 | 0.03 |

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States